

Service Instructions

Oreck® ELEVATE Conquer™:
UK30300PC, UK30300, UK30300COM

Oreck® ELEVATE Command™:
UK30200PC, UK30200, UK30200COM



Technical Service – April 2016

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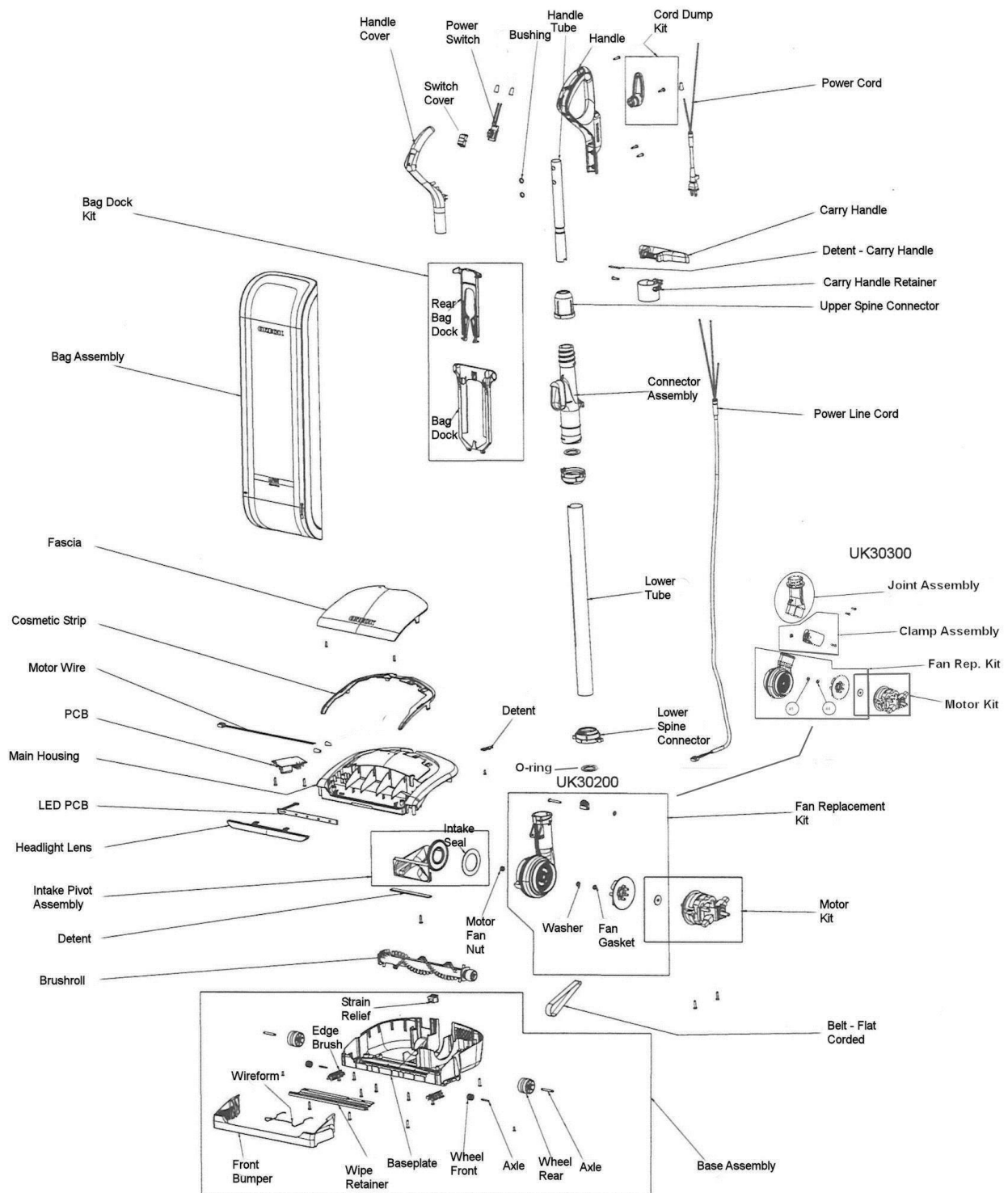
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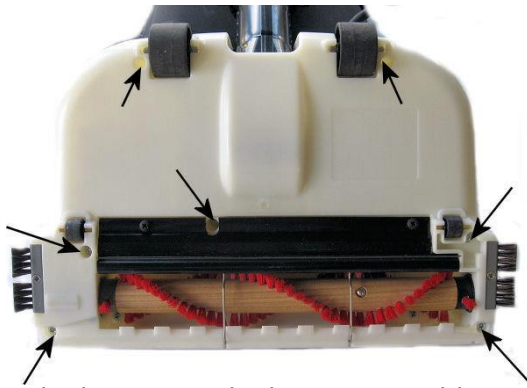
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Exploded View

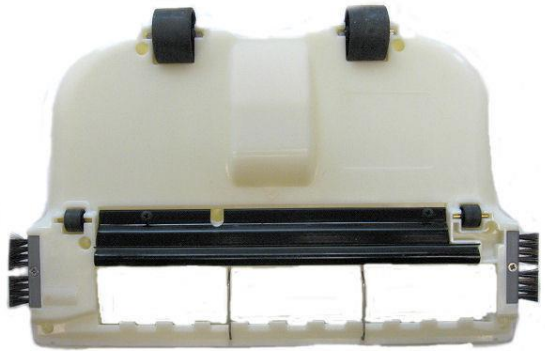


1. Base Assembly

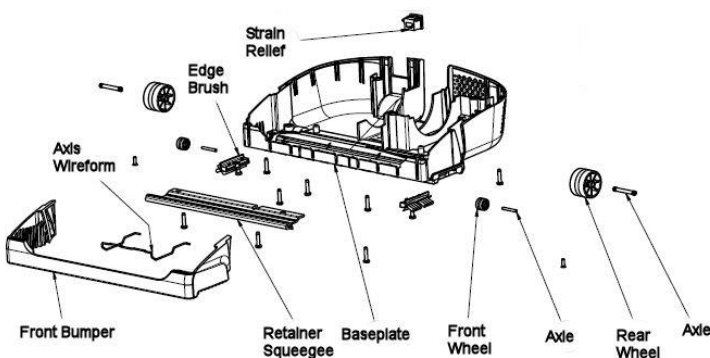
a. Remove 7 screws and lift base assembly off of unit. This requires a T20 torx driver.



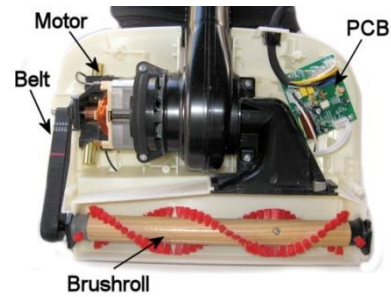
b. The base is stocked as an assembly as shown.



c. Individual parts of the base are also stocked.

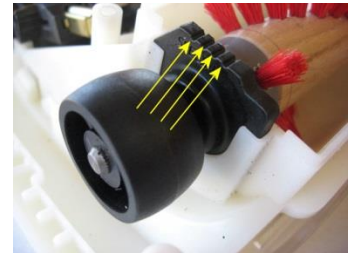
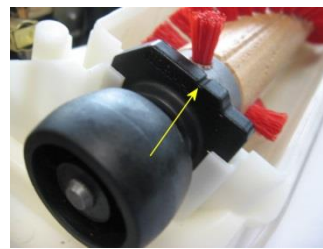


Once the base assembly is removed the internal components can be accessed.



2. Belt / Brushroll

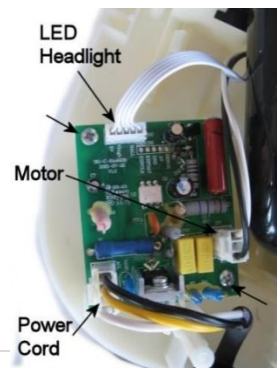
a. Remove belt by sliding it off of the motor shaft and brushroll pulley. Brushroll seats into the main body as shown. Slide out of position to remove.



Position brushroll with one notch upward for new brushroll and four notches upward for worn brushroll. Each end of brushroll must be set the same.

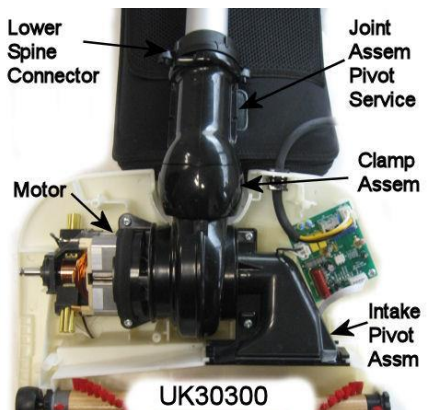
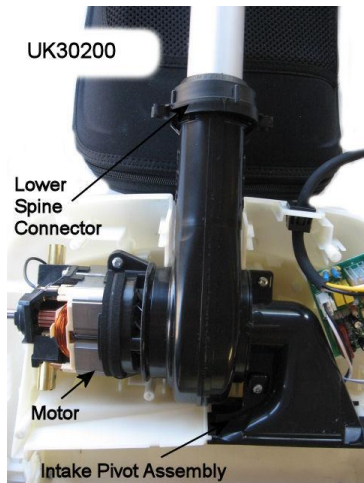
3. Motor PCB

a. Motor PCB is held in position by two screws. Terminal connections are noted.



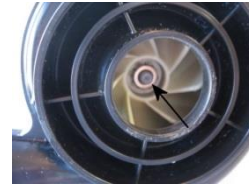
4. Motor Assembly / Intake Pivot Assembly /Joint Assembly.

- a. Remove base assembly – section 1.
- b. Separate lower handle from fan housing assembly – Rotate lower spine connector CCW to remove.

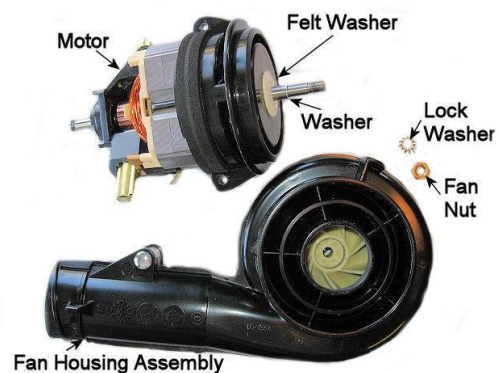


- c. Remove four screws that secure motor and intake pivot assembly.
- d. Lift motor / fan housing assembly out of position.
- e. Disconnect motor lead wires. Connector may have a locking tab that must be disengaged to allow removal.

- f. To separate motor and fan chamber assembly locate and remove fan nut by securing the armature shaft and turning the nut clockwise – LH Thread.

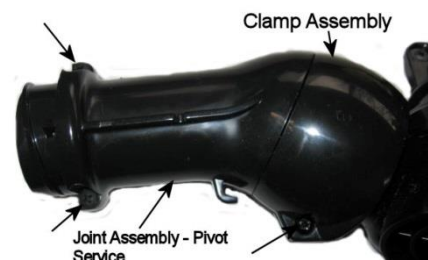
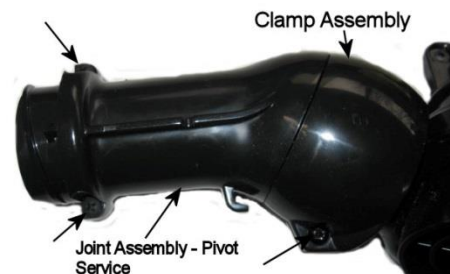


- g. Slide fan chamber assembly off of motor. (UK30200 pictured).



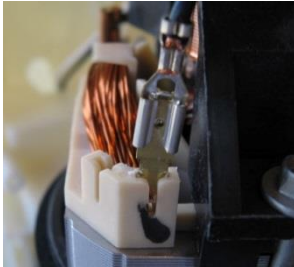
Joint Pivot Assembly – UK30300

- a. Remove clamp assembly – one screw.
- b. Separate joint assembly halves – two screws.



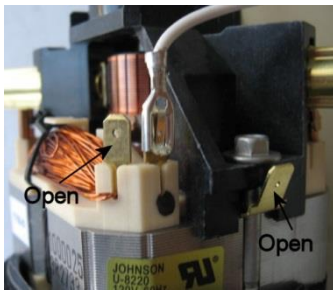
Motor lead wire connections

Black lead wire connects to motor terminal as shown – single terminal side of motor.



White lead wire connects to motor terminal as shown – dual terminal side of motor.

(Note – The 2nd top terminal and ground terminal are open)



Intake Pivot Assembly

a. Intake pivot assembly stocked as shown.
Felt inlet seal is also carried separately.

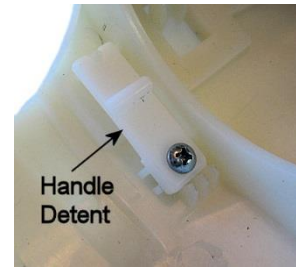


5. Handle Detent

Located under the Motor / Fan Chamber Assembly.

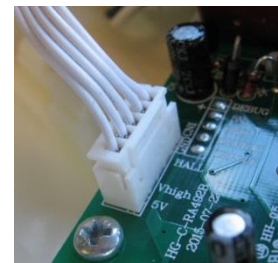
- Remove base assembly – section 1.
- Remove motor / fan chamber assembly.

c. Remove handle detent – 1 screw.



6. LED PCB

- Remove base assembly – section 1.
- Disconnect LED PCB connection at main PCB.

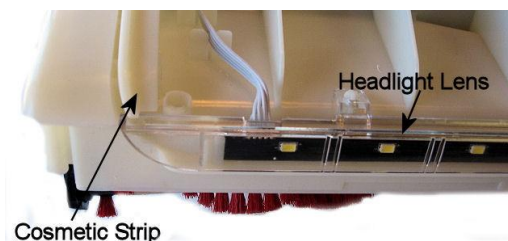


c. Remove two screws located in brushroll cavity.

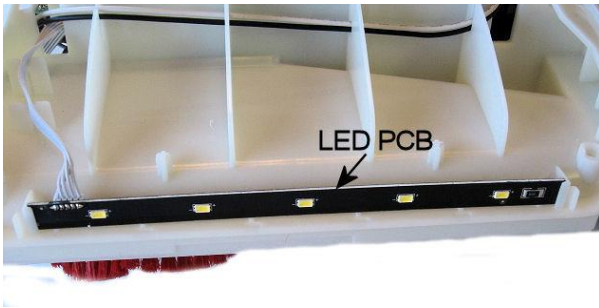


d. Turn unit over and lift upward on fascia to remove.

e. Remove headlight lens – lift up slightly on cosmetic strip to allow clearance and remove headlight lens.

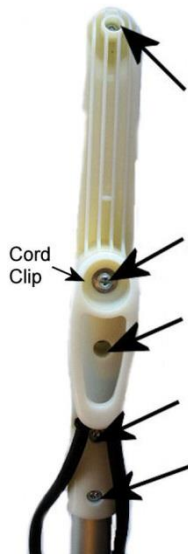


f. Remove LED PCB.



7. Power PCB

a. Remove five screws shown in upper handle – one holding the cord clip.



b. Remove cord clip to access sixth screw and remove.



c. Lift off handle cover.

d. Remove switch button – snap fit.

e. Disconnect yellow and black lead at terminal connections in top of handle and slightly spread handle seat to remove Power PBC.

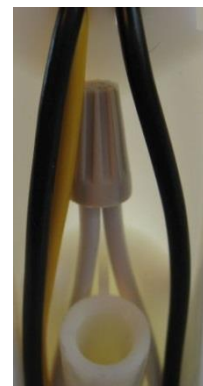
Power Switch
PCB



8. Cord Assembly / Power Cord

a. Remove handle cover – section 7.

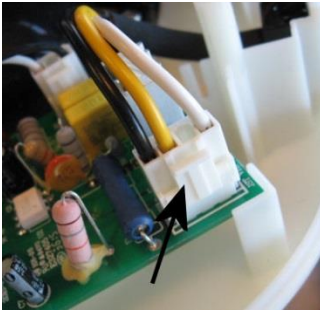
b. Locate and remove cord assembly lead wires at applicable terminals - black at top of handle and white at midpoint of handle.



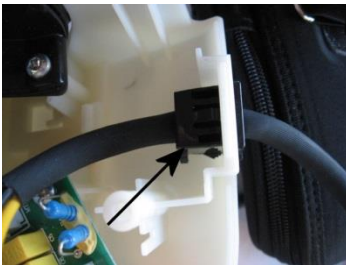
c. Feed cord strain relief out of handle to remove Cord Assembly.

Power Cord

- Remove lead wires at yellow, black, and white terminals and feed power cord out of handle.
- Remove base assembly – section 1.
- Disconnect power cord connector at PCB.



- Remove strain relief from main body and feed power cord out of position.

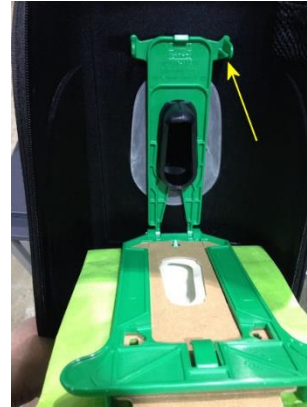


9. Bag Assembly

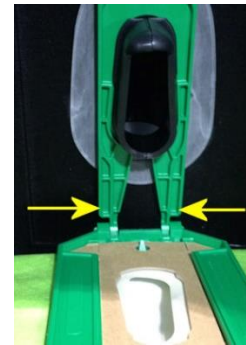
- Pull bag cardboard collar down to release plastic bag dock from connector. Remove paper bag.



Note: A boss was added to the rear bag dock to prevent usage of unauthorized bags. A notch was added to the bag assembly to allow the bag to be locked into position.



- Separate bag dock and bag dock rear by pressing inward on bag dock rear to unhinge.



- Carefully spread forks on bag dock rear and work bag dock rear upward and off of bag duct.



- Slide bag assembly off unit.

10. Carry Handle

a. Remove screw in carry handle retainer.



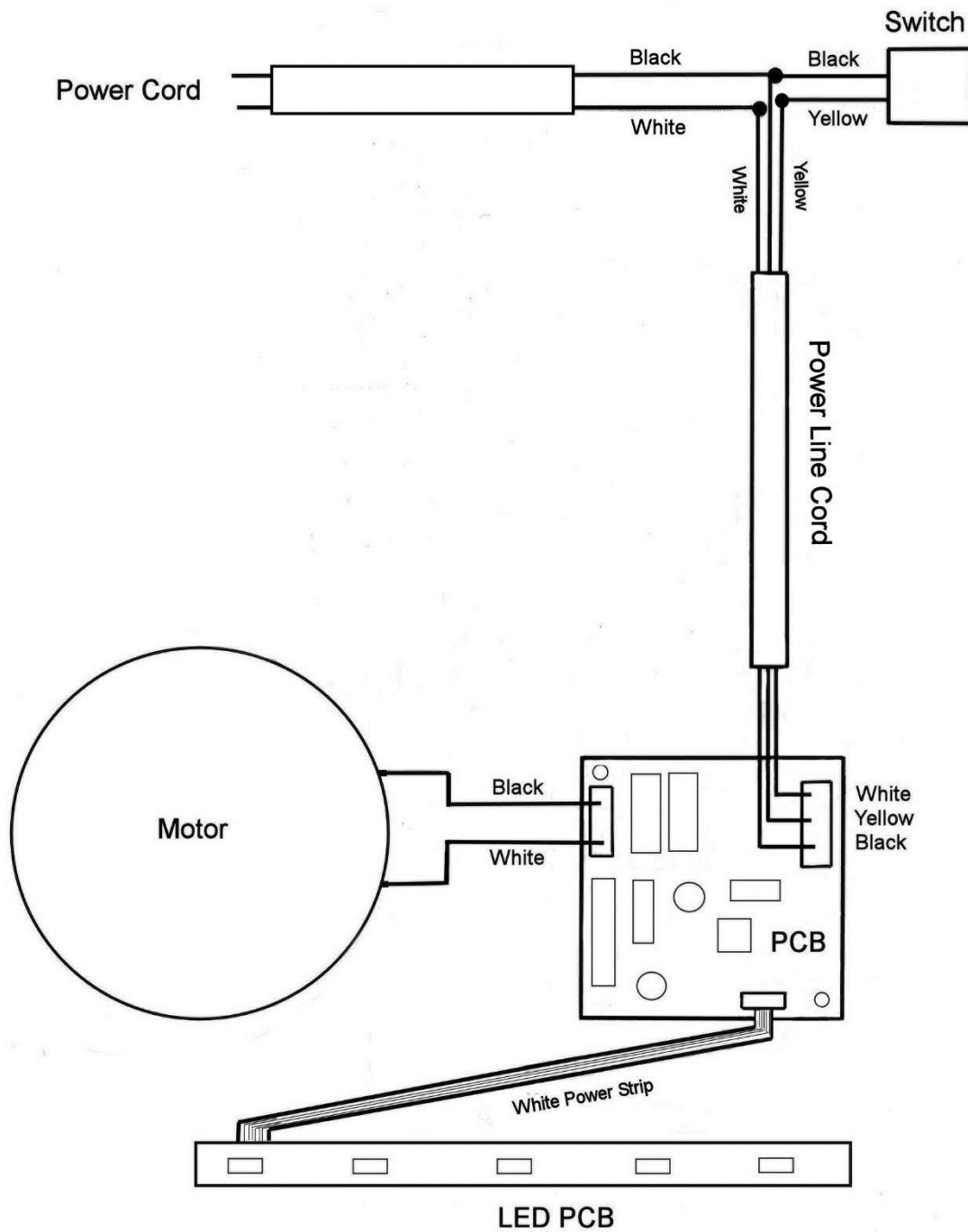
b. Spread handle retainer apart and slide it off of the connector assembly.



c. Remove carry handle – trapped in position by the handle retainer.



11. Wiring Diagram



12. Electrical troubleshooting

A. Motor will not turn on – Headlight LED's flashing.

Jump Start Protection feature – ensure switch is in the off position prior to plugging unit in. Reset switch by turning it off then on again.

A hall sensor located in the LED PCB senses the magnet in the brushroll body while it's rotating to act as a stall protection. If the headlight is flashing check the following:

1. Brushroll not in unit.
2. Belt broken.
3. Magnet in brushroll missing or covered with debris.



4. Brushroll jammed / failed.
5. LED PCB failed.

B. Motor will not run – Headlight LED's not flashing.

1. Check for continuity between the **wide** blade of the attachment cord and the white connection terminal on the circuit board. This will show continuity regardless of the switch position.



2. Check for continuity between the **narrow** blade on the attachment cord and the black connection terminal on the circuit board. This will show continuity regardless of the switch position.

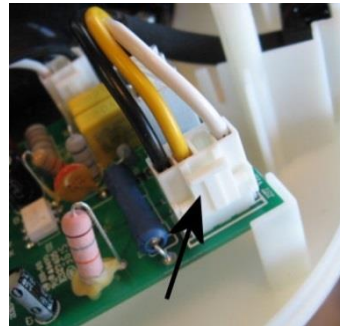
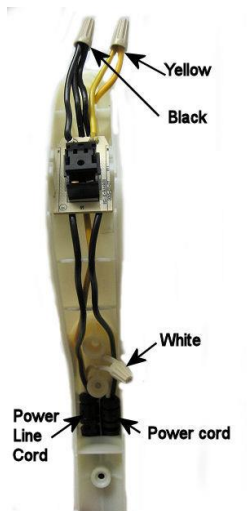
3. Check for continuity between the **narrow** blade on the attachment cord and the yellow connection terminal on the circuit board. Place the switch in the second (high) setting. This will show continuity.

If continuity exists, go to step 4.

If 1, 2, or 3 above show no continuity it indicates a failure of the power cord, the power line cord, or switch.

a. Check power line cord by checking for continuity between the white connection terminal on the circuit board and the white lead at the terminal connection in the handle. Repeat with both the black and yellow lead wires. If continuity exists go to step 4. If not, replace the power line cord.

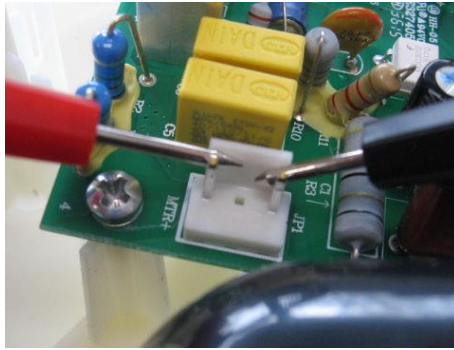
b. Check power cord by checking for continuity between the wide blade on the power cord and the white lead at the terminal connection in the handle and the narrow blade on the power cord to the black lead at the terminal connection in the handle. If continuity exists go to step 4. If not, replace the power cord.



c. Check the power switch by checking for continuity between the contacts as shown. Switch needs to be in low or high position. If continuity exists go to step 4. If not, replace the power switch.



4. Check voltage output from the circuit board.
 - a. Remove brushroll and belt.
 - b. Disconnect motor terminal at circuit board.
 - c. Connect voltage meter – set on AC Volts – as shown.



- d. Voltage should read 120VAC. When the switch is in the low and high speed settings the headlight LED will flash. If voltage exists move to step 5. If no voltage exists, replace PCB.
5. Check for voltage at motor leads. Voltage should read 120VAC. If no voltage exists, replace motor wire. If voltage exists, replace motor assembly.

